

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P386938

Luminaire Tested: GAW-SA2C-830-U-5MQ

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P386938  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: GAW-SA2C-830-U-5MQ  
Description: GALLEON WALL LUMINAIRE  
(2) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12323 lumens  
Efficiency: N/A  
Efficacy: 111.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

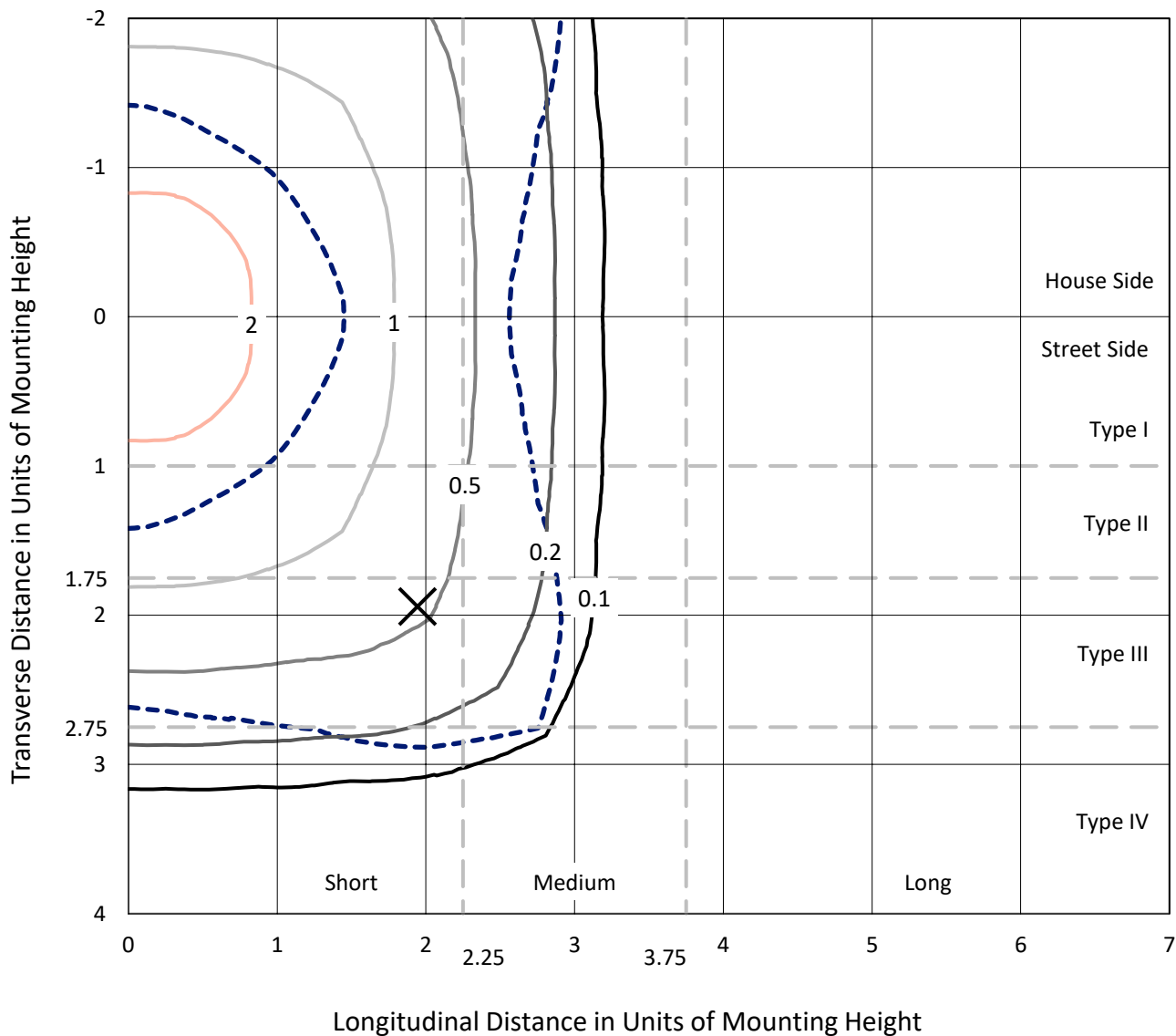
Input Watts (W): 111  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

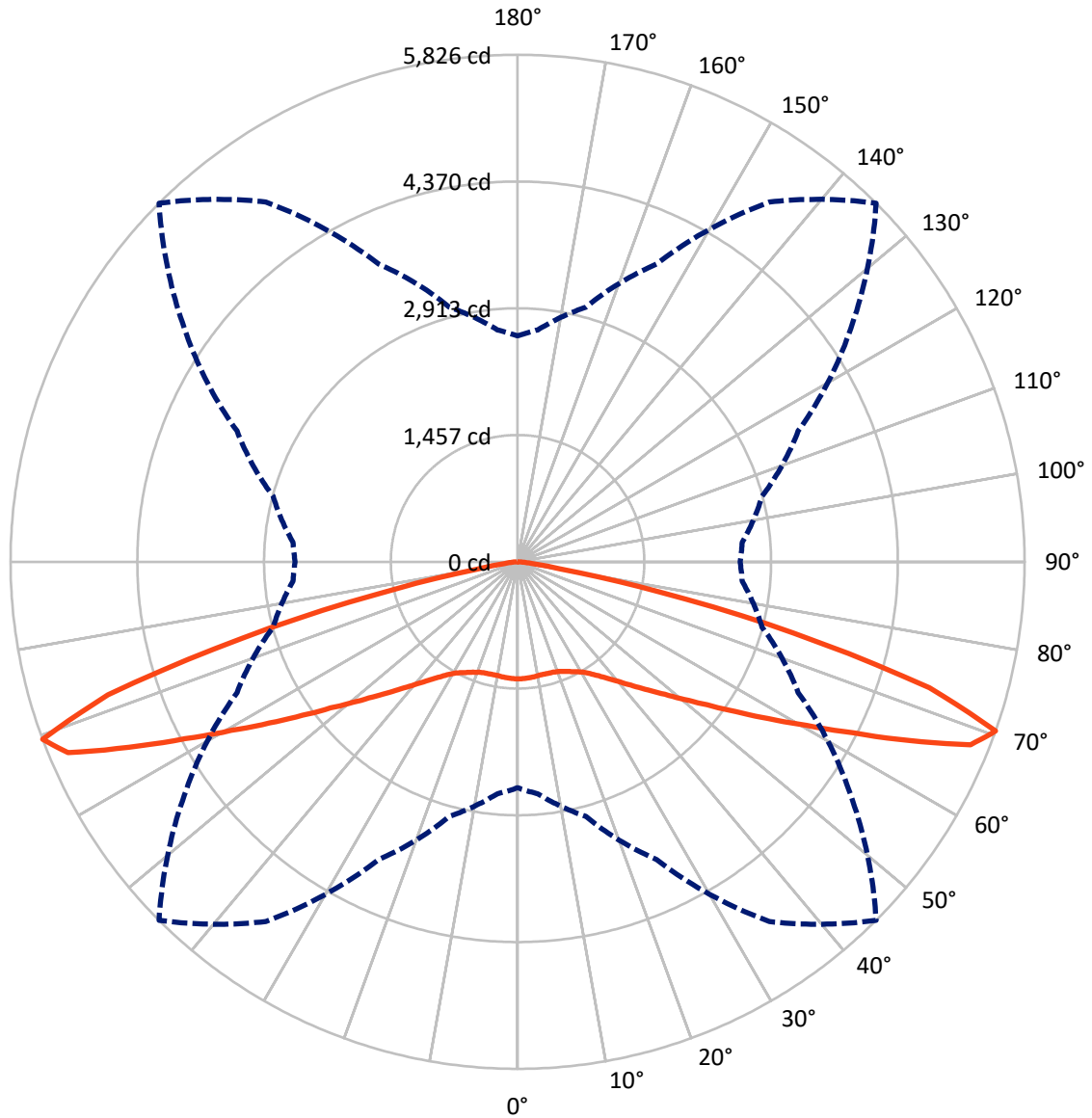
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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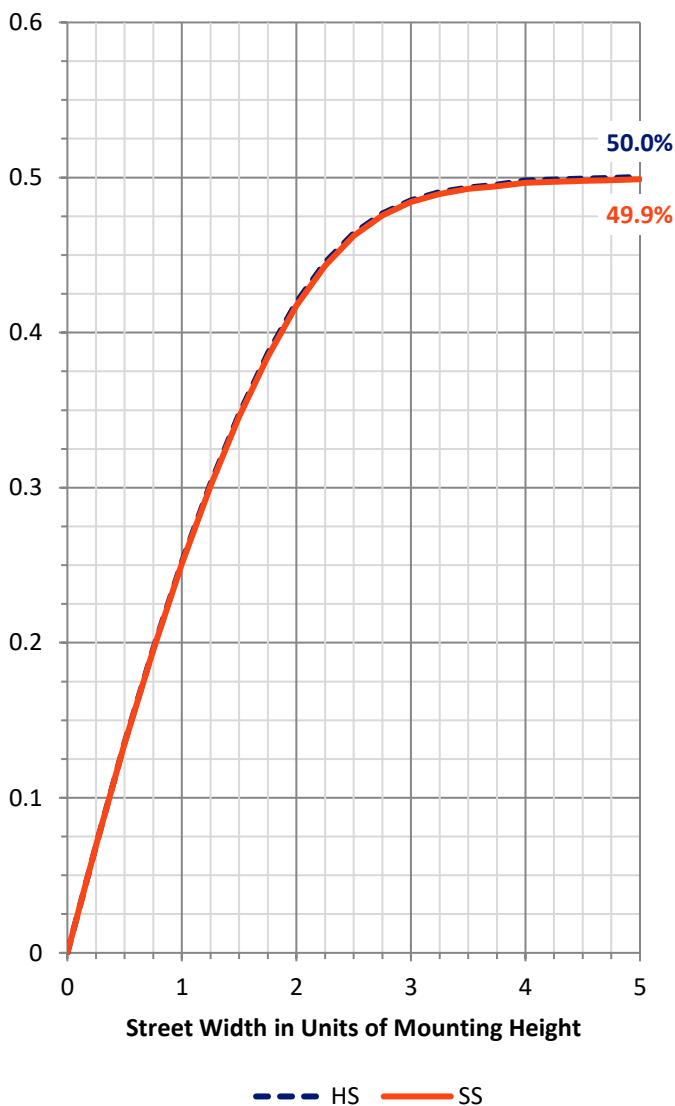
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6161.5	0.0	6161.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6161.5	0.0	6161.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12323.0	0.0	12323.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	127.5	1.0
10°-20°	374.2	3.0
20°-30°	637.0	5.2
30°-40°	1010.3	8.2
40°-50°	1644.1	13.3
50°-60°	2710.8	22.0
60°-70°	3979.6	32.3
70°-80°	1759.8	14.3
80°-90°	79.7	0.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	12323.0	100.0
0°-180°	12323.0	100.0

**Coefficient of Utilization**



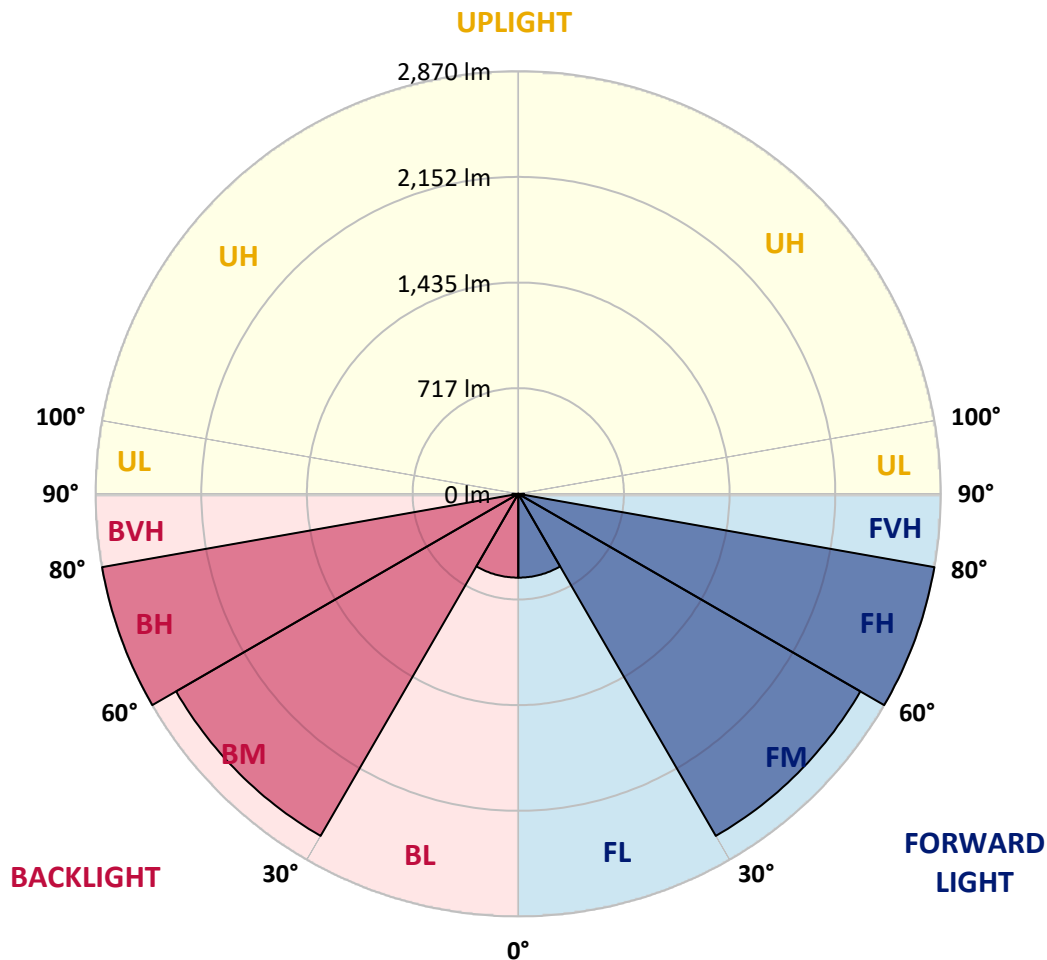
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	569.4	4.6			
FM (30°-60°)	2682.6	21.8			
FH (60°-80°)	2869.7	23.3			G2/5000
FVH (80°-90°)	39.8	0.3			G1/100
BL (0°-30°)	569.4	4.6	B2/1000		
BM (30°-60°)	2682.6	21.8	B3/5000		
BH (60°-80°)	2869.7	23.3	B4/5000		G2/5000
BVH (80°-90°)	39.8	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1345.9	1345.9	1345.9	1345.9	1345.9	1345.9	1345.9	1345.9	1345.9	1345.9	1345.9
2.5°	1343.8	1342.6	1345.5	1345.0	1342.6	1343.0	1343.0	1344.2	1344.2	1343.4	1343.4
5°	1338.9	1338.1	1341.4	1341.4	1338.9	1339.7	1340.6	1341.8	1341.4	1340.6	1340.2
7.5°	1332.8	1332.4	1335.7	1335.7	1334.0	1334.9	1334.0	1334.4	1333.6	1332.8	1331.6
10°	1322.6	1323.4	1326.3	1327.1	1327.1	1327.5	1326.7	1324.7	1323.4	1322.2	1321.0
12.5°	1313.2	1312.8	1316.9	1318.9	1322.2	1325.9	1323.4	1317.7	1315.3	1312.8	1312.0
15°	1307.1	1307.5	1311.6	1315.3	1321.0	1328.7	1325.9	1316.9	1312.0	1309.2	1308.3
17.5°	1305.9	1306.7	1312.0	1318.5	1324.7	1333.2	1331.6	1322.6	1314.5	1309.2	1307.9
20°	1308.8	1309.2	1317.3	1326.7	1337.3	1345.5	1341.8	1332.0	1321.0	1312.8	1310.8
22.5°	1314.1	1315.7	1325.9	1340.6	1356.9	1367.9	1363.4	1346.7	1329.5	1319.4	1316.5
25°	1330.8	1331.2	1345.0	1365.0	1384.6	1397.3	1391.9	1368.3	1346.3	1334.9	1331.2
27.5°	1365.4	1366.7	1380.5	1403.8	1420.5	1428.7	1425.4	1406.2	1387.5	1375.2	1376.5
30°	1415.6	1417.2	1432.7	1458.4	1468.6	1470.7	1469.8	1460.9	1443.7	1427.4	1428.7
32.5°	1476.8	1477.6	1498.4	1521.6	1529.8	1531.4	1529.8	1521.6	1501.2	1479.2	1480.4
35°	1555.5	1557.9	1577.9	1600.4	1606.9	1610.1	1607.3	1596.7	1575.5	1553.9	1553.0
37.5°	1652.6	1653.0	1673.8	1697.0	1705.2	1706.0	1702.7	1695.8	1669.3	1649.7	1648.5
40°	1765.1	1766.8	1791.2	1816.1	1819.4	1815.7	1820.2	1816.1	1788.8	1766.3	1770.0
42.5°	1902.2	1905.8	1935.2	1959.7	1950.3	1948.2	1951.1	1952.3	1930.3	1903.0	1900.5
45°	2061.6	2064.9	2101.6	2121.2	2115.0	2101.6	2107.3	2117.1	2086.5	2052.6	2055.9
47.5°	2243.5	2251.7	2290.8	2309.2	2294.1	2275.7	2286.7	2301.4	2265.5	2223.5	2221.5
50°	2445.8	2456.0	2508.2	2533.9	2518.8	2485.0	2503.3	2513.1	2461.3	2407.1	2402.6
52.5°	2661.5	2671.7	2737.4	2790.4	2780.6	2728.0	2753.7	2743.5	2684.0	2611.0	2605.3
55°	2905.8	2909.9	2980.9	3066.5	3076.3	3037.6	3035.9	3019.2	2931.1	2846.7	2842.6
57.5°	3157.1	3159.9	3251.7	3352.8	3398.9	3398.9	3353.2	3317.8	3200.7	3102.8	3092.6
60°	3428.3	3438.5	3540.0	3677.5	3785.1	3817.0	3736.2	3639.5	3512.3	3392.8	3381.0
62.5°	3669.7	3681.5	3836.9	4041.7	4214.6	4330.4	4133.0	3975.6	3743.9	3552.3	3529.8
65°	3700.3	3732.1	3958.5	4329.2	4716.2	4947.5	4569.0	4181.1	3759.0	3492.7	3469.9
67.5°	3379.3	3433.2	3739.1	4316.1	5115.9	5612.3	4847.6	4063.7	3488.2	3193.8	3168.5
70°	2596.7	2675.0	3027.8	3775.4	5047.0	5826.4	4673.0	3557.6	2908.3	2591.4	2555.9
72.5°	1424.6	1456.8	1774.1	2585.3	4046.2	4951.1	3897.7	2630.6	1928.7	1569.4	1509.8
75°	451.9	463.3	624.8	1057.9	2288.8	3279.4	2476.0	1291.2	710.9	524.1	518.0
77.5°	200.7	201.9	225.9	308.7	788.3	1661.5	947.0	351.6	242.3	211.7	218.6
80°	126.8	126.8	139.9	152.9	214.5	482.5	256.1	167.2	142.7	132.5	135.4
82.5°	60.8	67.3	90.9	97.9	117.9	162.3	131.3	109.3	95.4	71.0	66.1
85°	40.0	33.4	57.5	64.8	68.5	77.9	76.3	72.2	62.4	35.5	39.6
87.5°	17.9	17.1	29.8	27.3	25.7	19.6	29.4	36.3	35.1	17.5	17.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)